

**ABSTRACT**

This apparatus is a centrifugal separator comprising a centrifuge bowl; a hollow spindle connected to the bowl; a scraper located within the interior of the bowl; a shaft connected to a scraper, the shaft extending  
5 through the hollow spindle; a single drive member directly engaged to the shaft for inducing rotation of the scraper within the bowl. A clutch is engaged between the shaft and spindle. In a high speed separation operation, the clutch engages and the bowl and scraper rotate at the same speed.